

WE CLAIM:

1. A method of remotely synchronizing a mobile terminal to a target computer, the mobile terminal comprising a local memory and a screen, the method comprising the steps of:
 - (a) providing a set of synchronization rules comprising ordering and filtering rules;
 - (b) monitoring a user's operation of the mobile terminal;
 - (c) executing a computer program for adapting the ordering and filtering rules in response to the user's operation of the mobile terminal to generate a modified set of synchronization rules; and
 - (d) exchanging synchronization data between the target computer and the mobile terminal using the modified set of synchronization rules, and storing synchronized data in the local memory of the mobile terminal.
2. The method as recited in claim 1, further comprising the step of displaying the synchronized data on the screen of the mobile terminal while concurrently receiving synchronization data from the target computer using the modified set of synchronization rules.
3. The method as recited in claim 1, further comprising the step of transmitting the modified set of synchronization rules from the mobile terminal to the target computer.
4. The method as recited in claim 2, further comprising the step of transmitting the modified set of synchronization rules from the mobile terminal to the target computer.
5. The method as recited in claim 3, wherein the target computer uses the modified set of synchronization rules to configure a synchronization program executed by the target computer.
6. The method as recited in claim 4, wherein the target computer uses the modified set of synchronization rules to configure a synchronization program executed by the target

3 computer.

1 7. The method as recited in claim 1, wherein the mobile terminal processes the modified set
2 of synchronization rules to control the exchange of synchronization data between the
3 mobile terminal and the target computer.

1 8. The method as recited in claim 1, wherein:

2 (a) the synchronization data comprises a first data and a second data;

3 (b) the step of monitoring a user's operation of the mobile terminal comprises the step of
4 monitoring the user's preference in viewing data; and

5 (c) if the step of monitoring the user's operation indicates a preference for viewing the
6 first data before viewing the second data, the computer program adapts the ordering
7 and filtering rules such that the first data are received by the mobile terminal before the
8 second data.

1 9. The method as recited in claim 8, wherein the first data comprises emails and the second
2 data comprises web pages.

10. The method as recited in claim 8, wherein the first data comprises a first web page and the
2 second data comprises a second web page.

1 11. The method as recited in claim 1, wherein:

2 (a) the step of monitoring a user's operation of the mobile terminal comprises the step of
3 identifying data of interest to the user; and

4 (b) the computer program adapts the ordering and filtering rules so that web pages related
5 to the data of interest are received by the mobile terminal.

1 12. The method as recited in claim 1, further comprising the steps of:

2 (a) monitoring the user's progression through a path of linked web pages while browsing
3 an Internet web site on-line;

- 4 (b) adapting the ordering and filtering rules based on the user's progression through the
5 path of linked web pages; and
6 (c) receiving a plurality of web pages associated with the path, the web pages for display
7 on the screen of the mobile terminal.

1 13. The method as recited in claim 12, wherein the plurality of web pages received by the
2 mobile terminal comprise web pages linked to the path.

1 14. The method as recited in claim 13, wherein the synchronization rules comprise a link-
2 depth identifying a maximum depth of linked pages extending from the path to include in
3 the plurality of web pages received by the mobile terminal.

1 15. The method as recited in claim 12, further comprising the steps of:
2
3

- 4 (a) the user enabling the monitoring of the progression through the path of linked web
5 pages; and
6 (b) the user disabling the monitoring of the progression through the path of linked web
7 pages.

- 1 16. A mobile terminal for communicating with a target computer, the mobile terminal
2 comprising:
3 (a) a local memory for storing a set of synchronization rules comprising ordering and
4 filtering rules;
5 (b) a screen;
6 (c) a terminal controller for:
7 monitoring a user's operation of the mobile terminal;
8 executing a computer program for adapting the ordering and filtering rules in response
9 to the user's operation of the mobile terminal to generate a modified set of
10 synchronization rules; and
11 exchanging synchronization data between the target computer and the mobile terminal
12 using the modified set of synchronization rules, and storing synchronized data in
13 the local memory.
- 1 17. The mobile terminal as recited in claim 16, wherein the terminal controller for displaying
2 the synchronized data on the screen of the mobile terminal while concurrently receiving
3 synchronization data from the target computer using the modified set of synchronization
4 rules.
- 1 18. The mobile terminal as recited in claim 16, further comprising the step of transmitting the
2 modified set of synchronization rules from the mobile terminal to the target computer.
- 1 19. The mobile terminal as recited in claim 17, further comprising the step of transmitting the
2 modified set of synchronization rules from the mobile terminal to the target computer.
- 1 20. The mobile terminal as recited in claim 18, wherein the target computer uses the modified
2 set of synchronization rules to configure a synchronization program executed by the target
3 computer.

- 1 21. The mobile terminal as recited in claim 19, wherein the target computer uses the modified
2 set of synchronization rules to configure a synchronization program executed by the target
3 computer.
- 1 22. The mobile terminal as recited in claim 16, wherein the terminal controller for processing
2 the modified set of synchronization rules to control the exchange of synchronization data
3 between the mobile terminal and the target computer.
- 1 23. The mobile terminal as recited in claim 16, wherein:
2 (a) the synchronization data comprises a first data and a second data;
3 (b) the terminal controller for monitoring the user's preference in viewing data; and
4 (c) if monitoring the user's preference in viewing data indicates a preference for viewing
5 the first data before viewing the second data, the computer program adapts the
6 ordering and filtering rules so that the first data are received by the mobile terminal
7 before the second data.
- 1 24. The mobile terminal as recited in claim 23, wherein the first data comprises emails and the
2 second data comprises web pages.
- 1 25. The mobile terminal as recited in claim 23, wherein the first data comprises a first web
2 page and the second data comprises a second web page.
- 1 26. The mobile terminal as recited in claim 16, wherein:
2 (a) the terminal controller for identifying data of interest to the user based on the user's
3 operation of the mobile terminal; and
4 (b) the computer program adapts the synchronization rules so that web pages related to
5 the data of interest are downloaded to the mobile terminal.
- 1 27. The mobile terminal as recited in claim 1, wherein:

- 2 (a) the terminal controller for monitoring the user's progression through a path of linked
3 web pages while browsing an Internet web site on-line;
4 (b) the computer program for adapting the ordering and filtering rules based on the user's
5 progression through the path of linked web pages; and
6 (c) the terminal controller for receiving a plurality of web pages associated with the path,
7 and for displaying the web pages on the screen of the mobile terminal.

1 28. The mobile terminal as recited in claim 27, wherein the plurality of web pages received by
2 the mobile terminal comprises web pages linked to the path.

1 29. The mobile terminal as recited in claim 28, wherein the synchronization rules comprise a
link-depth identifying a maximum depth of linked pages extending from the path to include
in the plurality of web pages received by the mobile terminal.

30. The mobile terminal as recited in claim 27, wherein:

- 2 (a) the user enables the monitoring of the progression through the path of linked web
pages; and
4 (b) the user disables the monitoring of the progression through the path of linked web
pages.

- 1 31. A computer program embodied on a computer readable storage medium for use in a
2 mobile terminal, the mobile terminal comprising a local memory, a screen, and a set of
3 synchronization rules comprising ordering and filtering rules, the computer program
4 comprising code segments for:
5 (a) monitoring a user's operation of the mobile terminal;
6 (b) adapting the ordering and filtering rules in response to the user's operation of the
7 mobile terminal to generate a modified set of synchronization rules; and
8 (c) exchanging synchronization data between the target computer and the mobile terminal
9 using the modified set of synchronization rules, and storing synchronized data in the
10 local memory of the mobile terminal.
- 11 32. The computer program as recited in claim 31, further comprising code segments for
12 displaying the synchronized data on the screen of the mobile terminal while concurrently
13 receiving synchronization data from the target computer using the modified set of
14 synchronization rules.
- 15 33. The computer program as recited in claim 31, further comprising a code segment for
16 transmitting the modified set of synchronization rules from the mobile terminal to the
17 target computer.
- 18 34. The computer program as recited in claim 32, further comprising a code segment for
19 transmitting the modified set of synchronization rules from the mobile terminal to the
20 target computer.
- 21 35. The computer program as recited in claim 33, wherein the target computer uses the
22 modified set of synchronization rules to configure a synchronization program executed by
23 the target computer.
- 24 36. The computer program as recited in claim 34, wherein the target computer uses the

2 modified set of synchronization rules to configure a synchronization program executed by
3 the target computer.

1 37. The computer program as recited in claim 31, further comprising a code segment for
2 processing the modified set of synchronization rules to control the exchange of
3 synchronization data between the mobile terminal and the target computer.

1 38. The computer program as recited in claim 31, wherein the synchronization data comprises
2 a first data and a second data, further comprising code segments for:

- 3 (a) monitoring the user's preference in viewing data; and
4 (b) if monitoring the user's preference in viewing data indicates a preference for viewing
5 the first data before viewing the second data, adapting the ordering and filtering such
6 that the first data are received by the mobile terminal before the second data.

39. The computer program as recited in claim 38, wherein the first data comprises emails and
the second data comprises web pages.

40. The computer program as recited in claim 38, wherein the first data comprises a first web
page and the second data comprises a second web page.

1 41. The computer program as recited in claim 31, further comprising code segments for:

- 2 (a) identifying data of interest to the user based on the user's operation of the mobile
3 terminal; and
4 (b) adapting the ordering and filtering rules so that web pages related to the data of
5 interest are received by the mobile terminal.

1 42. The computer program as recited in claim 31, further comprising code segments for:

- 2 (a) monitoring the user's progression through a path of linked web pages while browsing
3 an Internet web site on-line;
4 (b) adapting the ordering and filtering rules based on the user's progression through the

5 path of linked web pages; and
6 (c) receiving a plurality of web pages associated with the path, the web pages for display
7 on the screen of the mobile terminal.

1 43. The computer program as recited in claim 42, wherein the plurality of web pages received
2 by the mobile terminal comprise web pages linked to the path.

1 44. The computer program as recited in claim 43, wherein the synchronization rules comprise
2 a link-depth identifying a maximum depth of linked pages extending from the path to
3 include in the plurality of web pages received by the mobile terminal.

4 45. The computer program as recited in claim 42, wherein:
5 (a) the user enables the monitoring of the progression through the path of linked web
6 pages; and
7 (b) the user disables the monitoring of the progression through the path of linked web
8 pages.